

Abstract Of The Disclosure

Nucleic acid sensor molecules and methods are provided for the detection and amplification of signaling agents using enzymatic nucleic acid constructs, including  
5 hammerhead enzymatic nucleic acid molecules, inozymes, G-cleaver enzymatic nucleic acid molecules, zinzymes, amberzymes and DNAzymes. Also provided are kits for detection and amplification. The nucleic acid sensor molecules, methods and kits provided herein can be used in diagnostics, nucleic acid circuits, nucleic acid computers, therapeutics, target validation, target discovery, drug optimization, single nucleotide  
10 polymorphism (SNP) detection, single nucleotide polymorphism (SNP) scoring, and proteome scoring as well as other uses described herein.

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